

Intel® Teach Elements

Intel® Teach Elements is a series of high interest, visually compelling short courses that provide deeper exploration of 21st century learning concepts, such as project-based learning, assessment of 21st century skills, collaboration with Web 2.0 tools, and thinking critically with data. The instructional design includes:

- Animated e-learning tutorials
- Interactive learning exercises
- Offline activities for concept application
- Self-paced or facilitated course options

Free facilitation materials are available for all the courses at www.intel.com/education/elements/facilitate.

The following table describes the current courses. You can access the courses online at www.intel.com/education/elements.

Course	Overview	Modules
Project-Based Approaches	<i>Project-Based Approaches</i> helps teachers improve their understanding and application of project-based approaches in the 21st century classroom.	Module 1: Projects Overview See examples of projects and learn about the characteristics and benefits of projects. Module 2: Project Design Use project design steps and planning tools, identify what students should learn, and choose a project to accomplish goals. Module 3: Assessment Integrate assessment throughout a project to provide feedback and monitor progress on content knowledge and 21st century skills. Module 4: Project Planning Learn strategies and develop tools to support student self-direction and manage the day-to-day details of project work. Module 5: Guiding Learning Plan instruction to improve student learning processes and thinking skills, such as collaboration and critical thinking.

Course	Overview	Modules
Assessment in 21st Century Classrooms	<i>Assessment in 21st Century Classrooms</i> helps teachers improve assessment of 21st century skills.	<p>Module 1: 21st Century Learning See what assessment looks like in 21st century classrooms and how 21st century skills are assessed.</p> <p>Module 2: Assessment Strategies Learn how assessment purposes define assessment practices, and how different methods and instruments meet those purposes.</p> <p>Module 3: Assessment Methods Look at how assessment methods can be used for various assessment purposes as part of regular classroom activities.</p> <p>Module 4: Assessment Development Learn how to plan for assessment, develop an Assessment Plan, and create assessments to meet standards, 21st century skills, and objectives.</p> <p>Module 5: Assessment in Action Learn ways to schedule and track ongoing assessment that supports students.</p>
Collaboration in the Digital Classroom	<i>Collaboration in the Digital Classroom</i> helps teachers prepare students to collaborate in the digital, global world.	<p>Module 1: Collaborative Classrooms Look at examples of collaborative classrooms and learn ways to implement collaboration activities.</p> <p>Module 2: A Framework for Digital Collaboration Learn how a framework helps with strategic decisions about how to integrate collaboration into instruction.</p> <p>Module 3: Tools of Collaboration Review online tools to support collaboration in the classroom and view scenarios of projects that use collaborative tools.</p> <p>Module 4: Collaboration Strategies Explore ways to guide students to become skilled collaborators and examine ways to enforce ethical and safe online practices.</p> <p>Module 5: Collaborative Classroom Management Explore strategies for planning and preparing for a collaborative classroom environment.</p>

Thinking Critically with Data (available Summer, 2011)	<i>Thinking Critically with Data</i> helps teachers prepare students to think critically when collecting and analyzing data.	Module 1: Information in Society and the Classroom Learn why critical thinking is an important skill and see classroom examples. Module 2: Project Design and Critical Thinking Learn how to design a unit that engages students in thinking critically with data as they learn subject-area content. Module 3: Skills for Thinking Critically with Data Explore the critical thinking skills necessary for students to be successful when engaging in projects that involve data. Module 4: Tools for Effective Data Analysis Examine tools to assist with data collection, organization, analysis, and presentation. Module 5: Critical Thinking and Instruction Learn practical methods for managing projects with data and providing instruction in critical thinking skills.
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